

### **DETAILED ACTION**

This action is in response to the original filing of November 16, 2007. Claims 1-29 are canceled and 30-52 are pending and have been considered below:

#### ***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 30, 40, 44-50, 51, and 52 are rejected under 35 U.S.C. 103(a) as being unpatentable over Arend et al ("Arend" 20030229848 A1) in view of Aureglia et al ("Aureglia" 20030188257 A1).

**Claims 30, 40, 50, 51, 52:** Arend discloses a device, method, a user interface and a program storage device readable by a computer, the program storage device tangibly embodying one or more programs of instructions executable by the computer to perform operations for controlling how data is presented in a tabular display, the operations comprising:

presenting to a user a display having a view configuration widget providing a graphical interface object representing preconfigured filters for filtering columns and rows of a table for display according to predetermined criteria (abstract; Page 3 & 4; Paragraph 33 & 34 )

accepting user input to select a selectable element to implement a filter associated with the selectable element selected by the user to display a preset configuration of rows and columns (Page 3 & 4; Paragraph 33 & 34) filter of a table (rows and columns) to certain conditions as set by the user; and

presenting a display of the preset configuration of rows and columns to the user (Page 3 & 4; Paragraph 33 & 34).

Arend does not explicitly disclose having a plurality of selectable elements. However Aureglia discloses a system and method in an electronic spreadsheet for displaying and hiding cells and further discloses a plurality of selection tabs to select cell within a criteria. (Figure 2A, 2C, 2D; Page 5 & 6, Paragraph 76 & 77). Figure 2A shows the spreadsheet with a collection of months and the tabs can be selected to focus on a selected cell containing a certain month. Therefore it would have been obvious to one having ordinary skill in the art at the time of the invention to include a plurality of elements in Arend as taught by Aureglia. One would have been motivated to provide a plurality of selectable elements to improve navigational capabilities of the system.

**Claim 44:** Arend and Aureglia disclose a device as in claim 40 above, and

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Arend discloses a filter button, which allows certain conditions to be met and then display accordingly, and thus suggesting selection for displaying different views such as all of the rows (Page 3 & 4, Paragraphs 33 & 34).

**Claim 45:** Arend and Aureglia disclose a device as in claim 40 above, and

Arend discloses a filter button, which allows certain conditions to be met and then display accordingly, and thus suggesting selection for displaying different views such as a predetermined configuration of rows (Page 3 & 4, Paragraphs 33 & 34).

**Claim 46:** Arend and Aureglia disclose a device as in claim 40 above, and

Arend discloses a filter button, which allows certain conditions to be met and then display accordingly, and thus suggesting selection for displaying different views such as data within a time range (Page 3 & 4, Paragraphs 33 & 34).

**Claim 47:** Arend and Aureglia disclose a device as in claim 40 above, and

Arend discloses a filter button, which allows certain conditions to be met and then display accordingly, and thus suggesting selection for displaying different views such as all columns (Page 3 & 4, Paragraphs 33 & 34).

**Claim 48:** Arend and Aureglia disclose a device as in claim 40 above, and

Arend discloses a filter button, which allows certain conditions to be met and then display accordingly, and thus suggesting selection for displaying different views such as a predetermined primary columns (Page 3 & 4, Paragraphs 33 & 34).

**Claim 49:** Arend and Aureglia disclose a device as in claim 40 above, and

Arend discloses a filter button, which allows certain conditions to be met and then display accordingly, and thus suggesting selection for displaying different views such as a predetermined columns (Page 3 & 4, Paragraphs 33 & 34).

3. Claims 31, 41, and 53 are rejected under 35 U.S.C. 103(a) as being unpatentable over Arend et al (“Arend” 20030229848 A1) and Aureglia et al (“Aureglia” 20030188257 A1) as applied to claims 30, 40, 50, 51, and 52 above, and further in view of MandrakeSoft (Copyright 2003).

**Claims 31, 41 and 53:** Arend and Aureglia disclose a device, a method, an user interface and program storage device as in claims 30, 40 and 52 above wherein the presenting to a user a display having a view configuration widget providing a graphical interface object having a

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plurality of selectable elements representing preconfigured filters for filtering columns and rows of a table for display according to predetermined criteria.

Arend discloses a filter button, which allows certain conditions to be met and then display accordingly, and thus suggesting selection for displaying different views such as selection of a first of the buttons causing a subset of columns and a subset of rows of a table to be displayed, selection of a second of the buttons causing all columns and a subset of rows of the table to be displayed, selection of a third of the buttons causing a subset of columns and all rows of the table to be displayed and selection of a fourth of the buttons causing all columns and all rows of the table to be displayed (Page 3 & 4, Paragraphs 33 & 34).

Arend does not explicitly disclose providing 2-by-2 matrix of buttons, However MandrakeSoft discloses a 2 by 2 button for editing the display (Figure 1). Therefore it would have been obvious to one having ordinary skill in the art at the time of the invention to include the 2 by 2 button in the modified Arend as taught by MandrakeSoft. One would have been motivated to have the 2 by 2 button because it provides a design choice for a possible simple selection of preferred display.

4. Claim 42 is rejected under 35 U.S.C. 103(a) as being unpatentable over Arend et al ("Arend" 20030229848 A1) and Aureglia et al ("Aureglia" 20030188257 A1) and MandrakeSoft (Copyright 2003) as applied to claim 41 above, and further in view of Luque (2004/0119749 A1).

**Claim 42:** Arend, Aureglia and Mandrake disclose a device as in claim 41 above presenting to a user a display having a view configuration widget providing a graphical interface object having a plurality of selectable elements representing preconfigured filters for filtering columns and rows of a table for display according to predetermined criteria further but do not explicitly disclose providing a drop-down menu, the drop-down menu having items selectable by a user for setting a view configuration. However Luque discloses a user interface for wafer data analysis and further discloses a drop down menu for selection of column and row dimensions (Page 5, Paragraph 61). Therefore it would have been obvious to having ordinary skill in the art at the time of the invention to include a drop down menu for selection in the modified Arend as taught by Luque. One would have been motivated to have the drop down menu to improve user efficiency by providing a flowing display of possible selections.

5. Claims 32-39, 43, 54, and 55 are rejected under 35 U.S.C. 103(a) as being unpatentable over Arend et al ("Arend" 20030229848 A1), Aureglia et al ("Aureglia" 20030188257 A1) as applied to claims 30, 40, 50, 51, and 52 above, and further in view of Luque (2004/0119749 A1).

**Claims 32 and 54:** Arend and Aureglia disclose an user interface and program storage device as in claims 30 and 52 above presenting to a user a display having a view configuration widget providing a graphical interface object having a plurality of selectable elements representing preconfigured filters for filtering columns and rows of a table for display according to predetermined criteria further but do not explicitly disclose providing a drop-down menu, the drop-down menu having items selectable by a user for setting a view configuration. However

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Luque discloses a user interface for wafer data analysis and further discloses a drop down menu for selection of column and row dimensions (Page 5, Paragraph 61). Therefore it would have been obvious to having ordinary skill in the art at the time of the invention to include a drop down menu for selection in the modified Arend as taught by Luque. One would have been motivated to have the drop down menu to improve user efficiency by providing a flowing display of possible selections.

**Claims 33 and 55:** Arend, Aureglia and Luque disclose a user interface and program storage device as in claims 32 and 52 above wherein the providing a drop-down menu further comprises providing a menu of row selections and a menu of column selections. Luque discloses a drop down menu for selection (Page 5, Paragraph 61). Therefore it would have been obvious to one having ordinary skill in the art at the time of the invention to include a drop down menu in the modified Arend for row and column selection as taught by Luque. One would have been motivated to have the drop down menu to show selections to provide quick visual display of possible configurations thereby improving efficiency.

**Claim 34:** Arend, Aureglia and Luque disclose a graphical interface program storage device as in claim 33 above, wherein the providing a menu of row selections but does not explicitly disclose providing a selection for displaying all of the rows. However it would have been obvious that if the menu of Luque allows different row and column selections, to also provide selection that fell under any criteria for adaptation of the selection in the modified Arend because Official Notice is taken that it is a well known technique to provide a plurality of selection

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conditions for searching through data and is recognized as part of the ordinary capability of one skilled in the art.

**Claim 35:** Arend, Aureglia and Luque disclose a graphical interface program storage device as in claim 33 above, wherein the providing a menu of row selections further comprises providing a selection for displaying a predetermined configuration of rows. However it would have been obvious that if the menu of Luque allows different row and column selections, to also provide selection that fell under any criteria for adaptation of the selection in the modified Arend because Official Notice is taken that it is a well known technique to provide a plurality of selection conditions for searching through data and is recognized as part of the ordinary capability of one skilled in the art.

**Claims 36:** Arend, Aureglia and Luque disclose a graphical interface program storage device as in claim 33 above, wherein the providing a menu of row selections further comprises providing a selection for displaying data relative to a predetermined time. However it would have been obvious that if the menu of Luque allows different row and column selections, to also provide selection that fell under any criteria for adaptation of the selection in the modified Arend because Official Notice is taken that it is a well known technique to provide a plurality of selection conditions for searching through data and is recognized as part of the ordinary capability of one skilled in the art.



**Claim 37:** Arend, Aureglia and Luque disclose a graphical interface program storage device as in claim 33 above, wherein the providing a menu of column selections further comprises providing a selection for displaying all of the columns. However it would have been obvious that if the menu of Luque allows different row and column selections, to also provide selection that fell under any criteria for adaptation of the selection in the modified Arend because Official Notice is taken that it is a well known technique to provide a plurality of selection conditions for searching through data and is recognized as part of the ordinary capability of one skilled in the art.

**Claim 38:** Arend, Aureglia and Luque disclose a graphical interface program storage device as in claim 33 above, wherein the providing a menu of column selections further comprises providing a selection for displaying only predetermined primary columns. However it would have been obvious that if the menu of Luque allows different row and column selections, to also provide selection that fell under any criteria for adaptation of the selection in the modified Arend because Official Notice is taken that it is a well known technique to provide a plurality of selection conditions for searching through data and is recognized as part of the ordinary capability of one skilled in the art.

**Claim 39:** Arend, Aureglia and Luque disclose a graphical interface program storage device as in claim 33 above, wherein the providing a menu of column selections further comprises providing a custom selection for presenting predetermined columns. However it would have been obvious that if the menu of Luque allows different row and column selections, to also provide selection that fell under any criteria for adaptation of the selection in the modified Arend because Official Notice is taken that it is a well known technique to provide a plurality of selection conditions for searching through data and is recognized as part of the ordinary capability of one skilled in the art.

**Claim 43:** Arend and Aureglia disclose a method, an user interface and program storage device as in claim 40 above presenting to a user a display having a view configuration widget providing a graphical interface object having a plurality of selectable elements representing preconfigured filters for filtering columns and rows of a table for display according to predetermined criteria but do not explicitly disclose menu of row/column selection. However Luque discloses a user interface for wafer data analysis and further discloses a drop down menu for selection of column and row dimensions (Page 5, Paragraph 61). Therefore it would have been obvious to having ordinary skill in the art at the time of the invention to include menu for selection of rows and columns in the modified Arend as taught by Luque. One would have been motivated to have the menu to improve user efficiency by providing a flowing display of possible selections.

### **Response to Arguments**

**Argument of Claims:** Applicants arguments have been considered but are moot in view of new ground(s) of rejection.

### **Conclusion**

6. Applicants amendments necessitated the new ground(s) of rejection presented in this office action. Accordingly, **THIS ACTION IS MADE FINAL**. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sherrod Keaton whose telephone number is 571) 270-1697. The examiner can normally be reached on Mon. thru Fri. and alternating Fri. off (EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dave Wiley can be reached on 571-272-3923. The fax phone number for the organization where this application or proceeding is assigned is 571-273-3800.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

SLK

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/David A Wiley/

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